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An FDCD Working Paper

TDAM: Access
in the Batch Mode

by

Walter R. Houser

April 1979

Foreign Demand and
Competition Division



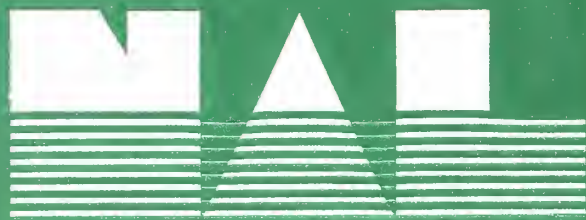
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An FDIC Working Paper

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by

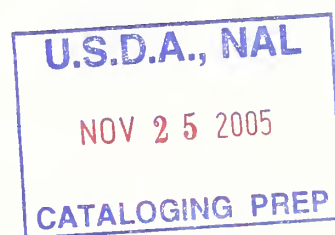
Walter R. Houser

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INTRODUCTION

The TDAM procedure will allow the user to create, update, list and delete documentation and data on the TDAM data base. These changes can be entered using this interactive procedure with the convenience of on line processing, but the actual transactions are made in the batch mode. Thus the expense of making real time changes is greatly reduced through the use of batch processing. Since most changes to TDAM do not require faster than overnight turn around, you can save about 40 percent in processing costs compared to DBUSER and TDAMUSER. Furthermore the TDAM procedure gives you more control over the creation and maintenance of TDAM documentation.

Assuming that you are READY mode under ERSPROC, the TDAM procedure is entered by typing TDAM. If you are not familiar with the various routines available, enter HELP when the procedure asks for the routine code. The routine QUIT will return you to READY mode in TSO.

The following JCL information is necessary for all of the TDAM routines:

- 1) The batch jobname can be up to 8 characters of your choosing, but should conform to agency conventions. If you do not know your 10 digit account number, contact your ADP security officer.
- 2) The user is strongly encouraged to submit batch jobs with the lowest desired priority. Priority 1 is designated as weekend but usually will return by the next morning (but at one third the cost of priority 3).
- 3) When generating XEROX output (8 1/2 x 11 sheets), you should notify the remote terminal operator and complete the appropriate forms.
- 4) Only the most lengthy job will require a job class other than C.
- 5) If you are submitting more than one batch job, TDAM will remember this JCL information from the previous batch job. To repeat this information, send a carriage return when prompted for an entry.

This procedure draws heavily upon software written by Robert L. Otto and other ESCS/Data Services Center (DSC) staff. Their assistance and encouragement were instrumental in the preparation of this paper, but its imperfections remain the responsibility of the author.

SUMMARY OF TDAM ROUTINES

<u>Routine Name</u>	<u>Description</u>
CHGDOC	will update the documentation for a TDAM variable (assuming your TDAM sign-in is valid).
COPY	will copy the contents of one TDAM variable (assuming your TDAM sign-in is valid). The new variable will not be created if there is one already by that name and logical group and frequency (unless you tell it to do so).
CREATE	will create a new TDAM variable with the documentation you provide it (assuming your TDAM sign-in is valid).
DELETE	will remove the specified variable from TDAM (assuming your TDAM sign-in is valid). DEL is an alias.
DIR	will print a directory listing of the variables for the designated logical group and frequency.
LIST	will list the data and documentation for a specified TDAM logical group or individual variables. TAB is an alias.
POSTDATA	will update data in existing TDAM variables (assuming your TDAM sign-in is valid). You may change data only within the variable's initial (IP) and last period (LP). TDATA is an alias.
SPKBATCH	will allow creation and/or modification of SPEAKEZ commands and then submit them for batch execution. SKPB is an alias.



CHGDOC

DESCRIPTION:

The CHGDOC routine will submit a batch job to change the documentation on an existing TDAM variable. Your sign in and password must be the correct one for this logical group (even though the program will not check this until batch execution). Contact ESCS/DSC at x72623 if you have questions about your TDAM password.

The following fields may be changed:

<u>Field</u>	<u>Number of Characters</u>	<u>Type</u>
Variable Name	2-20	Alpha-numeric
Logical Group and Frequency	4	Alpha
Starting Date/ Initial Period or IP	7	Numeric
Ending Date/ Last Period or LP	7	"
Decimal places	1-2	"
Unit of Measure	2-16	Alpha-numeric
Owner's Name (set up by)	2-16	"
Description	2-79	"
Source	2-79	"

The frequency of the data cannot be altered. The starting ending periods are used only when creating a variable, which will be initialized with data at -999999. If you wish to alter the starting or ending period, see the TDAMUSER program in SPEAKEZ or contact ESCS/DSC.

The routine will prompt the user for each field in turn. If the field is to remain unchanged from what is already in TDAM, enter KEEP or K . If the field is to be exactly like that for the variable you just updated then enter DITTO or D. Sending a carriage return is the same as entering DITTO (not KEEP); a carriage return will update the variable with the current contents of the documentation field.



For example, if you were updating an existing variable and entered KEEP for all but the Description and Source fields, all but those two would be unchanged.

If you entered DITTO for Source then the source information from the immediately preceding variable would be inserted. (Even if you made no change to that preceding variable; it would use that source documentation regardless).

Suppose that you did not want to use that source but wanted to enter new information. When the routine lists the new documentation, you will quickly see that the source information given is incorrect (i.e. left over from the previous variable). When the routine asks IS THIS CORRECT? say NO and re-enter the documentation. In this case send carriage returns until it asks for SOURCE and then enter your source documentation. Please see the attached example.

Once you are satisfied with the documentation, the routine will delete the existing variable (if there is one) and add the new documentation. Existing data, if any, will not be changed (See POSTDATA for that). During this same batch job, you may CHGDOC, COPY, CREATE or DELETE any variables in any logical group for which your TDAM sign in (as entered above) is valid.

This routine submits a batch DAMEASY job. For details see the TDAM System Documentation Version 3.00 page 61; its not necessary to know anything about SPEAKEZ or DAMEASY to use this or any TDAM routine.

(See example on the next page.)



Example of CHGDOC

```

ENTER THE ROUTINE CODE (OR QUIT OR HELP)
CHGDOC
THIS ROUTINE IS FOR BATCH UPDATES OF TEAM DOCUMENTATION.
IF THE DOCUMENTATION FIELD IS NOT TO BE CHANGED, THEN
ENTER KEEP OR K. IF THE ENTRY FOR THE FIELD IS TO BE THE
SAME AS THAT FOR THE PREVIOUS UPDATED VARIABLE, THEN
ENTER DITTO OR D OR A CARRIAGE RETURN.
ENTER THE JOBNAME
ERSSWH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP
3
WHAT IS THE JOB CLASS? (USUALLY C)
C
JOBNAME=ERSSWH ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C
IS THIS CORRECT? (Y OR N)
Y
ENTER YOUR TEAM SIGN-IN NAME AND PASSWORD (ER9XX PASS)
ER9WH pass
ENTER YOUR LOGICAL GROUP AND FREQUENCY
ALAA
ENTER THE VARIABLE NAME
AB
ENTER THE DECIMAL PLACES
3
ENTER THE UNIT OF MEASURE
1.000 HECTARES
ENTER THE OWNER'S NAME
K
ENTER THE DESCRIPTION
BARLEY, AREA PLANTED, AUSTRALIA, CROP#### APR-MAR CROP YEAR, USUALLY SOWN MAY-JUN
ENTER THE DATA SOURCE
1)ABS, CROP STAT, TABL 5-6 2)ABB, ANNUAL REPT, SCHEDULE A 3)FAS S AND D, MKT YR####
DEC-MOY MKT YR
THE NEW DOCUMENTATION IS AS FOLLOWS:
LOGICAL GROUP AND FREQUENCY IS ... ALAA
VARIABLE NAME IS ... AB
DECIMAL PLACES ARE ... 3
UNIT OF MEASURE IS ... 1.000 HECTARES
OWNER'S NAME IS ... KEEP
DESCRIPTION IS ... BARLEY, AREA PLANTED, AUSTRALIA, APR-MAR CROP YEAR, USUALLY SOWN
MAY-JUN
DATA SOURCE IS ... 1)ABS, CROP STAT, TABL 5-6 2)ABB, ANNUAL REPT, SCHEDULE A 3)FAS
S AND D, DEC-MOY MKT YR
SOURCE (82 CHARS) IS TOO LONG.
IS THIS CORRECT? (Y OR N)
N
ENTER YOUR LOGICAL GROUP AND FREQUENCY
D
ENTER THE VARIABLE NAME
DITTO
ENTER THE DECIMAL PLACES
ENTER THE UNIT OF MEASURE
ENTER THE OWNER'S NAME
ENTER THE DESCRIPTION
ENTER THE DATA SOURCE
1)ABS, CROP STAT, TABL 5-6 2)ABB, ANNUAL REPT, SCHEDULE A 3)FAS S+D, DEC-MOY MKT YR
THE NEW DOCUMENTATION IS AS FOLLOWS:
LOGICAL GROUP AND FREQUENCY IS ... ALAA
VARIABLE NAME IS ... AB
DECIMAL PLACES ARE ... 3
UNIT OF MEASURE IS ... 1.000 HECTARES
OWNER'S NAME IS ... KEEP
DESCRIPTION IS ... BARLEY, AREA PLANTED, AUSTRALIA, APR-MAR CROP YEAR, USUALLY SOWN
MAY-JUN
DATA SOURCE IS ... 1)ABS, CROP STAT, TABL 5-6 2)ABB, ANNUAL REPT, SCHEDULE A 3)FAS
S+D, DEC-MOY MKT YR
IS THIS CORRECT? (Y OR N)
Y
ENTER ROUTINE CODE (CHGDOC, COPY, CREATE, DEL) OR STOP
IF THERE ARE NO MORE VARIABLES TO BE CHANGED.
STOP
JOB ERSSWH (JOB02667) SUBMITTED ** FREE ALL FILES **

```


COPY

DESCRIPTION:

The COPY Routine will copy the documentation and data of one TDAM variable from one logical group and variable name to another. Your TDAM sign-in and password must be the correct one for the new logical group (even though the program will not check this until batch execution). Contact ESCS/DSC at x72623 if you have questions about your TDAM password.

The routine will ask if the new variable already exists. If yes, then it will be deleted and replaced with the data and documentation of the old. However before then, you may make whatever changes to the documentation (only) just as you would for CHGDOC. If you wish, you may change the new variable's data later using POSTDATA. You may not change the initial or last period of the variable. (To do this, please see the TDAMUSER program in SPEAKEZ or contact ESCS/DSC.)

(See example on the next page.)

Example of COPY

ENTER THE ROUTINE CODE (OR QUIT OR HELP)

COPY

THIS ROUTINE IS FOR BATCH COPYING OF TDAM VARIABLES.
IF THE DOCUMENTATION FIELD IS NOT TO BE CHANGED, THEN
ENTER KEEP OR K. IF THE ENTRY FOR THE FIELD IS TO BE THE
SAME AS THAT FOR THE PREVIOUS UPDATED VARIABLE, THEN
ENTER DITTO OR D OR A CARRIAGE RETURN.
ENTER THE JOBNAME

ERS3WH

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

N

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

3

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ERS3WH ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR TDAM SIGN-IN NAME AND PASSWORD (ER9XX PASS)

ER3WH pass

ENTER YOUR OLD LOGICAL GROUP AND FREQUENCY

ALAA

ENTER THE OLD VARIABLE NAME

YEAR

ENTER THE NEW LOGICAL GROUP AND FREQUENCY

JNAA

ENTER THE NEW VARIABLE NAME

YEAR

DOES THE NEW VARIABLE EXIST? (Y OR N)

N

ENTER THE DECIMAL PLACES

0

ENTER THE UNIT OF MEASURE

KEEP

ENTER THE OWNER'S NAME

K

ENTER THE DESCRIPTION

K

ENTER THE DATA SOURCE

EXAMPLE OF THE TDAM BATCH COPY ROUTINE

THE NEW DOCUMENTATION IS AS FOLLOWS:

OLD LOGICAL GROUP AND FREQUENCY IS ... ALAA

OLD VARIABLE NAME IS ... YEAR

NEW LOGICAL GROUP AND FREQUENCY IS ... JNAA

NEW VARIABLE NAME IS ... YEAR

DECIMAL PLACES ARE ... 0

UNIT OF MEASURE IS ... KEEP

OWNER'S NAME IS ... KEEP

DESCRIPTION IS ... KEEP

DATA SOURCE IS ... EXAMPLE OF THE TDAM BATCH COPY ROUTINE

IS THIS CORRECT? (Y OR N)

Y

ENTER ROUTINE CODE (CHGDOC,COPY,CREATE,DEL) OR STOP
IF THERE ARE NO MORE VARIABLES TO BE CHANGED.

STOP

JOB ERS3WH(JOB02882) SUBMITTED ** FREE ALL FILES **

CREATE

DESCRIPTION:

The CREATE routine will create a new TDAM variable with the documentation you provide. Your TDAM sign-in and password must be correct for the logical group (even though the program will not check this until batch execution). Contact ESCS/DSC at x72623 if you have questions about your TDAM password. See the CHGDOC command for a discussion of the TDAM documentation fields and the use of DITTO. Since the variable is new, there is nothing to KEEP so you should not use this option.

(See example on the next page.)

Example of CREATE

ENTER THE ROUTINE CODE (OR QUIT OR HELP)

CREATE

THIS ROUTINE IS FOR CREATING NEW TDAM VARIABLES.

IF THE DOCUMENTATION IS TO BE THE SAME AS THAT FOR THE PREVIOUS UPDATED VARIABLE, ENTER DITTO OR D OR A CARRIAGE RETURN. (YOU SHOULD NOT USE THE KEEP OR K OPTION.)

ENTER THE JOBNAME

ERS3WHA

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

N

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

3

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ERS3WHA ACCOUNT=0123456789 COPIES=1
ROUTE=MT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)

N

PLEASE TRY AGAIN

ENTER THE JOBNAME

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

ENTER THE NUMBER OF COPIES DESIRED

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

WHAT IS THE JOB CLASS? (USUALLY C)

JOBNAME=ERS3WHA ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR TDAM SIGN-IN NAME AND PASSWORD (ER9XX PASS)

ER3WH pass

ENTER YOUR LOGICAL GROUP AND FREQUENCY

EECA

ENTER THE VARIABLE NAME

TEST-DATA

ENTER THE INITIAL PERIOD (E.G. 1960001)

1955001

ENTER THE LAST PERIOD (E.G. 1979011)

1979001

ENTER THE DECIMAL PLACES

2

ENTER THE UNIT OF MEASURE

METRIC TONS

ENTER THE OWNER'S NAME

HOUSER FICD/DOFA

ENTER THE DESCRIPTION

THIS IS A VARIABLE! THIS IS A VARIABLE CREATED BY TDAM BATCH PROCEDURE

ENTER THE DATA SOURCE

AS A TEST OF THE CREATE ROUTINE

THE NEW DOCUMENTATION IS AS FOLLOWS:

LOGICAL GROUP AND FREQUENCY IS ... EECA

VARIABLE NAME IS ... TEST-DATA

DECIMAL PLACES ARE ... 2

UNIT OF MEASURE IS ... METRIC TONS

OWNER'S NAME IS ... HOUSER FICD/DOFA

DESCRIPTION IS ... THIS IS A VARIABLE CREATED BY TDAM BATCH PROCEDURE

DATA SOURCE IS ... AS A TEST OF THE CREATE ROUTINE

THIS IS A NEW VARIABLE WITH DATA INITIALIZED AT -999999.

INITIAL PERIOD IS ... 1955001

LAST PERIOD IS ... 1979001

IS THIS CORRECT? (Y OR N)

Y

ENTER ROUTINE CODE (CHGDOC,COPY,CREATE,DEL) OR 'STOP'

IF THERE ARE NO MORE VARIABLES TO BE CHANGED.

STOP

JOB ERS3WHA(JOB02899) SUBMITTED ** FREE ALL FILES **

DELETE

DESCRIPTION:

The DELETE routine will remove the requested TDAM variable from the indicated logical group and frequency. Your TDAM sign-in and password must be the correct one for the logical groups of the variables you are deleting (even though the program will not check this until batch execution). Contact ESCS/DSC at x72623 if you have questions about your TDAM password.

Suggestion: You should do your DELETES along with your CHGDOC, COPY, and CREATE commands. It is more efficient since they will be put into one batch job instead of separate batch jobs.

(See example on the next page.)

Example of DELETE

WELCOME TO TDAM IN THE BATCH MODE.

ENTER THE ROUTINE CODE (OR QUIT OR HELP)

DELETE

THIS ROUTINE IS FOR BATCH DELETION OF TDAM VARIABLES.

ENTER THE JOBNAME

ERS3WHD

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

N

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

3

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ERS3WHD ACCOUNT= 0123456789 COPIES=1

ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR TDAM SIGN-IN NAME AND PASSWORD (ERSXX PASS)

ER3WH pass

ENTER YOUR LOGICAL GROUP AND FREQUENCY

EECA

ENTER THE VARIABLE NAME

TEST-DATA

THE VARIABLE TO BE DELETED IS: TEST-DATA

THE LOGICAL GROUP AND FREQUENCY IS: EECA

IS THIS CORRECT? (Y OR N)

Y

ENTER ROUTINE CODE (CHGDOC,COPY,CREATE,DEL) OR STOP

IF THERE ARE NO MORE VARIABLES TO BE CHANGED.

DEL

ENTER YOUR LOGICAL GROUP AND FREQUENCY

JANA

ENTER THE VARIABLE NAME

TESTBG

THE VARIABLE TO BE DELETED IS: TESTBG

THE LOGICAL GROUP AND FREQUENCY IS: JANA

IS THIS CORRECT? (Y OR N)

Y

ENTER ROUTINE CODE (CHGDOC,COPY,CREATE,DEL) OR STOP

IF THERE ARE NO MORE VARIABLES TO BE CHANGED.

STOP

JOB ERS3WHD(JOB83339) SUBMITTED ** FREE ALL FILES **

DIR

DESCRIPTION:

The DIR routine will submit a batch job to print a TDAM directory listing of the variables in the designated logical group and frequency. You should be careful that any batch job changes to the requested variables should be completed before requesting a directory of the documentation. The DIR routine emulates the procedures TDAM3DIR and TDAM3DOC. Further details may be found in the TDAM System Documentation Version 3.00, p. 18.

(See example on the next page.)

Example of DIR

```
ENTER THE ROUTINE CODE (OR QUIT OR HELP)
DIR
THIS ROUTINE PROVIDES A DIRECTORY OF TDAM DATA GROUPS.
ENTER THE JOBNAM
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
Y
YOU MUST GIVE THE OPERATOR A REQUEST FORM FOR XEROX
PROCESSING. PLEASE ALLOW 3 DAYS.
WHAT IS YOUR PRIORITY?
1 (1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
D
  JOBNAM=ERS3WH  ACCOUN=0123456789  COPIES=1
  ROUTE=RMT13  FORM=XERO  PRIORITY=1  CLASS=D

IS THIS CORRECT? (Y OR N)
Y
ENTER THE LOGICAL GROUP FOR WHICH YOU WISH A DIRECTORY
ALA
IS ALA CORRECT? (Y OR N)
Y
DO YOU WANT A COMPLETE OR BRIEF LISTING OF THE DOCUMENTATION? (C OR B)
C
JOB ERS3WH(JOB03350) SUBMITTED ** FREE ALL FILES **

ENTER THE ROUTINE CODE (OR QUIT OR HELP)
DIR
THIS ROUTINE PROVIDES A DIRECTORY OF TDAM DATA GROUPS.
ENTER THE JOBNAM

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

ENTER THE NUMBER OF COPIES DESIRED

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

YOU MUST GIVE THE OPERATOR A REQUEST FORM FOR XEROX
PROCESSING. PLEASE ALLOW 3 DAYS.
WHAT IS YOUR PRIORITY?
1 (1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

WHAT IS THE JOB CLASS? (USUALLY C)
D
  JOBNAM=ERS3WH  ACCOUN=0123456789  COPIES=1
  ROUTE=RMT13  FORM=XERO  PRIORITY=1  CLASS=D

IS THIS CORRECT? (Y OR N)
Y
ENTER THE LOGICAL GROUP FOR WHICH YOU WISH A DIRECTORY
ALAA
IS ALAA CORRECT? (Y OR N)
Y
DO YOU WANT A COMPLETE OR BRIEF LISTING OF THE DOCUMENTATION? (C OR B)
B
JOB ERS3WH(JOB03383) SUBMITTED ** FREE ALL FILES **
```


LIST

DESCRIPTION:

The LIST routine will submit a batch job to list the documentation and data for a designated logical group or specified variables from one or more logical groups. It is much less expensive to specify individual variables than to request an entire logical group. Also in the former case, you may specify your choice of print options (other than the default options of MISSING and ZEROES). When you have entered all the variables you wish to list, enter STOP or NOMO as the next logical group.

Suggestion: It is cheaper to group your list requests instead of doing them between POSTDATA or CHGDOC routines. You should be careful that the batch run containing any changes to the data or documentation of these variables should be successfully completed before listing them. The LIST routine executes TPTABULR. (Please see the TDAM System Documentation Version 3.00, p. 53 for details on these programs).

EXAMPLE:

```
ENTER THE ROUTINE CODE (OR QUIT OR HELP)
LIST
THIS ROUTINE PROVIDES A TABULAR LISTING OF TDAM DATA
INDIVIDUALLY OR BY LOGICAL GROUP.
ENTER THE JOBNAME
ERS3WHL
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
Y
YOU MUST GIVE THE OPERATOR A REQUEST FORM FOR XEROX
PROCESSING. PLEASE ALLOW 3 DAYS.
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
C
  JOBNAME=ERS3WHL  ACCOUNT= 0123456789  COPIES=1
  ROUTE=RMT13  FORM=XERO  PRIORITY=1  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
DO YOU WISH TO LIST BY GROUP OR VARIABLE? (G OR V)
G
ENTER YOUR LOGICAL GROUP AND FREQUENCY
ALAA
IS ALAA CORRECT? (Y OR N)
Y
JOB ERS3WHL(JOB03393) SUBMITTED  **  FREE ALL FILES  **
```


Example of LIST

ENTER THE ROUTINE CODE (OR QUIT OR HELP)
LIST
THIS ROUTINE PROVIDES A TABULAR LISTING OF TDM DATA
INDIVIDUALLY OR BY LOGICAL GROUP.
ENTER THE JOBNAME
ERS3WHL
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR @SCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C
JOBNAME=ERS3WHL ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)
Y
DO YOU WISH TO LIST BY GROUP OR VARIABLE? (G OR V)
V
DO YOU WANT THE USUAL PRINT OPTIONS(MISSING,ZEROES)? (Y OR N)
Y
ENTER STOP OR NOMO WHEN YOU ARE FINISHED.

ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).
ALAA
ENTER THE VARIABLE NAME IN ALAA
AB

THE VARIABLE NAME IS: AB
THE LOGICAL GROUP AND FREQUENCY IS: ALAA

IS THIS CORRECT? (Y OR N)
Y

ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).
JPNA
ENTER THE VARIABLE NAME IN JPNA
YEAR

THE VARIABLE NAME IS: YEAR
THE LOGICAL GROUP AND FREQUENCY IS: JPNA

IS THIS CORRECT? (Y OR N)
Y

ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).

ENTER THE VARIABLE NAME IN JPNA
TEST-DATA

THE VARIABLE NAME IS: TEST-DATA
THE LOGICAL GROUP AND FREQUENCY IS: JPNA

IS THIS CORRECT? (Y OR N)
N
PLEASE TRY AGAIN

ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).
EECA
ENTER THE VARIABLE NAME IN EECA

THE VARIABLE NAME IS: TEST-DATA
THE LOGICAL GROUP AND FREQUENCY IS: EECA

IS THIS CORRECT? (Y OR N)
Y

ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).
STOP

JOB ERS3WHL(JOB02934) SUBMITTED ** FREE ALL FILES **

POSTDATA

DESCRIPTION:

The POSTDATA routine is used to post or change data for any existing TDAM variable. Your TDAM sign-in and password must be the correct one for the logical groups for the variables you are updating (even though the program will not check this until batch execution). Contact ESCS/DSC at x72623 if you have questions about your TDAM password.

Enter the 7 digit initial period for the first data value to be changed. You may enter up to five data values for the five successive periods after this initial period. For annual data an initial period of 1969001 will update 1969001, 1970001, 1971001, etc. For monthly data beginning with 1969011, the values will change 1969011, 1969012, 1970001, 1970002, and 1970003. In lieu of a number, you may enter one of the following codes:

<u>Code you Enter</u>	<u>Meaning</u>	<u>Value Entered into TDAM</u>
REP	Repeat or re-enter the previous value	-none-
NOM	No more values for this variable	-none- go to next variable
MIS	Missing data	-999999
N/A	Data is not available	-999996
NEG	Data is negligible but not zero	-999997

If you are entering negative values, each value must be exactly nine characters long with the minus sign as the first character, followed by leading blanks or zeroes until the number is complete. You may enter REP as often as you need to get the value entered correctly.

The routine will ask you for the number of decimal places in your TDAM variable. This is done to help you to be clear on the decimal places in the number you are entering. The program does not convert decimal places; putting a decimal in the value will cause an error. For example, suppose your variable is the price of truffles in dollars with two decimal places (TDDECLOC=2). If the new value

is \$4.15, you enter '415' as the value and the routine will tell you that TDAM will know this to be '4.15', not 415.00. However you could have just as correctly said there were 0 decimal places (even though the TDAM variable has 2 decimal locations) and entered '415' without any decimals. But entering '415.0' would be invalid, and '41550' would be incorrect (since that would mean \$415.50 to TDAM). Please see the attached example.

After entering 5 values or NOM (or NOMORE), the routine will show you the updates you have generated, including the leading zeroes it adds to make each positive value nine characters long. If you don't like its looks, answer NO when the routine asks IS THIS CORRECT?

Suggestion: It is cheaper to do all your data posting at one time, instead of mixing documentation (CHGDOC or LIST) and data updates. The POSTDATA routine executes the DBCARDX program which is quick and inexpensive but entirely separate from SPEAKEZ. Switching from posting data to listing it or changing its documentation will trigger separate batch jobs for each switch. DBCARDX, the program used by this routine, is thoroughly described in the TDAM System Documentation Version 3.00 beginning on page 26.

(See example on the next page.)

Example of POSTDATA

ENTER THE ROUTINE CODE (OR QUIT OR HELP)

POSTDATA

THIS ROUTINE IS FOR BATCH UPDATES OF TDAM DATA

ENTER THE JOBNAME

ERS3WHP

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

N

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

3

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ERS3WHP ACCOUNT=0123456789 COPIES=1

ROUTE=RMT13 FORM=1431 PRIORITY=3 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR TDAM SIGN-IN NAME AND PASSWORD (ER9XX PASS)

ER3WH pass

ENTER REPEAT OR REP TO RE-ENTER A VALUE

NOMORE OR NOM TO STOP BEFORE 5 VALUES

MISSING OR MIS FOR MISSING DATA (-999999)

N/A FOR NOT AVAILABLE (-999996)

NEG FOR NEGLIGIBLE (-999997)

ENTER STOP OR NOMO WHEN YOU HAVE UPDATED ALL YOUR VARIABLES.

ENTER YOUR LOGICAL GROUP AND FREQUENCY (OR STOP)

ALAA

ENTER THE VARIABLE NAME IN ALAA

YEAR

ENTER THE INITIAL PERIOD (E.G. 1955001)

1976001

ENTER THE DECIMAL PLACES

0

YOU MAY ENTER UP TO 5 DATA VALUES BEGINNING WITH THAT FOR 1976001.

ENTER VALUE FOR DATA FIELD 1

76

THIS VALUE WILL BE 76.

ENTER VALUE FOR DATA FIELD 2

77

THIS VALUE WILL BE 77.

ENTER VALUE FOR DATA FIELD 3

78

THIS VALUE WILL BE 78.

ENTER VALUE FOR DATA FIELD 4

79

THIS VALUE WILL BE 79.

ENTER VALUE FOR DATA FIELD 5

80

THIS VALUE WILL BE 80.

YOUR UPDATE OF YEAR IN ALAA BEGINNING IN 1976001

WILL HAVE THE VALUES 000000076 000000077 000000078 000000079 000000080

IS THIS CORRECT? (Y OR N)

Y

Example of POSTDATA (continued)

ENTER YOUR LOGICAL GROUP AND FREQUENCY (OR STOP)

EECA

ENTER THE VARIABLE NAME IN EECA

TRUFFLES

ENTER THE INITIAL PERIOD (E.G. 1955001)

1955001

ENTER THE DECIMAL PLACES

2

YOU MAY ENTER UP TO 5 DATA VALUES BEGINNING WITH THAT FOR 1955001.

ENTER VALUE FOR DATA FIELD 1

415

THIS VALUE WILL BE 4.15

ENTER VALUE FOR DATA FIELD 2

N/A

THIS VALUE WILL BE - 9999.96

ENTER VALUE FOR DATA FIELD 3

NEG

THIS VALUE WILL BE - 9999.97

ENTER VALUE FOR DATA FIELD 4

POS

THIS VALUE WILL BE - 9999.99

ENTER VALUE FOR DATA FIELD 5

NOM

YOUR UPDATE OF TRUFFLES IN EECA BEGINNING IN 1955001

WILL HAVE THE VALUES 000000415 - 999996 - 999997 - 999999

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR LOGICAL GROUP AND FREQUENCY (OR STOP)

EECA

ENTER THE VARIABLE NAME IN EECA

TRUFFLES

ENTER THE INITIAL PERIOD (E.G. 1955001)

1976001

ENTER THE DECIMAL PLACES

0

YOU MAY ENTER UP TO 5 DATA VALUES BEGINNING WITH THAT FOR 1976001.

ENTER VALUE FOR DATA FIELD 1

415

THIS VALUE WILL BE 415.

ENTER VALUE FOR DATA FIELD 2

NOMORE

YOUR UPDATE OF TRUFFLES IN EECA BEGINNING IN 1976001

WILL HAVE THE VALUES 000000415

IS THIS CORRECT? (Y OR N)

Y

ENTER YOUR LOGICAL GROUP AND FREQUENCY (OR STOP)

STOP

JOB ERS3WHP(JOB02992) SUBMITTED ** FREE ALL FILES **

SPKBATCH

DESCRIPTION:

The SPKBATCH (SPEAKEZ Batch job) routine will submit a data set of SPEAKEZ commands for batch execution without you having to prepare the necessary JCL. You may create a set of commands or change an existing set using the TSO Editor.

If this is a new set of SPEAKEZ commands, they will not be saved unless you enter SAVE XXX. Then the file will have the user's system prefix and the suffix of DATA. (e.g. ERSNN. XXX.DATA) You finish this editing with a STOP. If the SPEAKEZ commands are not to be saved, then you do not need to worry about the accumulation of unwanted data sets. If this is an old data set of SPEAKEZ commands, then any changes made will be executed but not saved unless you enter SAVE. (XXX is not necessary in this case).

If you are using a MYKEEP file with a nonstandard name, the routine will ask for the name of this file. You must enter its complete name including prefix and suffix. (e.g. ERS45. ER3WH.SPEAKEZ.MYKEEP.DATA) Next, the routine will ask for the library name (or DDNAME for those who understand JCL). This should be 8 characters of the user's choosing, consistent with the preceeding SPEAKEZ commands. (e.g. GET MYPROG ON DDNAME) However if you enter MYKEEP, you will be replacing the standard file with your file name as the default (e.g. GET MYPROG ON MYKEEP). Therefore you will not be using a mykeep file with the standard name (e.g. ERS45.SPEAKEZ.MYKEEP.DATA). In any case when asked if you are using a mykeep file with a standard name, only say YES if one currently exists. Finally the routine will ask if you are using a checkpoint file. If so, the routine requests the name of this file, which must already exist. (e.g. CHKPOINT, not ERSNN.CHKPOINT.SPEKSAVE).

Example of SPKBATCH

WELCOME TO THE EZPSD SYSTEM.
F.A.S. PSD DATA OBTAINED HERE IS NOT FOR RELEASE
UNLESS CLEARED BY F.A.S. COMMODITY DIVISIONS.

ENTER ROUTINE CODE (QUIT OR HELP)
SPKBATCH
THIS IS A SPEAKEZ BATCH RUN.
DO YOU ALREADY HAVE A FILE OF SPEAKEZ COMMANDS? (Y OR N)
Y
ENTER THE NAME OF THIS FILE (ERS68 IS ASSUMED).
ECLUSTCK.TRENDS.DATA
ENTER THE JOBNAME
ER331ER3WD
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT79
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
C
JOBNAME=ER3WD ACCOUNT=0123456789 COPIES=1
ROUTE=RMT79 FORM=1431 PRIORITY=1 CLASS=C
IS THIS CORRECT? (Y OR N)
Y
ENTER THE SPEAKEZ COMMANDS AND EDIT THEM WITH TSO EDITOR.
CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU
SAVE THEM. SEND 'STOP' WHEN YOU ARE FINISHED.
EDIT
L
00010 SIZE=50
00020 RESTORE RATIOS
00030 YEAR=INTS(1 19)
00040 FOR I=1,11
00050 CLSQ ARGUMENT(EDSLANUM(I)) C YEAR: ALL
00060 CLSQ ARGUMENT(ECFRONUM(I)) C YEAR: ALL
00070 CLSQ ARGUMENT(ECFROSLA(I)) C YEAR: ALL
00080 END I
00090 FOR I=9,11
00100 CLSQ ARGUMENT(ECBUPRO(I)) C YEAR: ALL
00110 CLSQ ARGUMENT(ECTOTSLA(I)) C YEAR: ALL
00120 CLSQ ARGUMENT(ECCATHUM(I)) C YEAR: ALL
00130 END I
00140 QUIT
END OF DATA
EDIT
STOP
ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)
N
ARE YOU USING A MYKEEP FILE WITH A STANDARD NAME? (Y OR N)
N
WILL YOU BE USING A CHECKPOINT FILE? (Y OR N)
Y
ENTER ONE NAME ONLY
RATIOS
ERS68.RATIOS.SPENSARE MUST ALREADY EXIST.
JOB ER3WD(JOB00042) SUBMITTED ** FREE ALL FILES **
ENTER ROUTINE CODE (QUIT OR HELP)
QUIT
THANK YOU FOR USING EZPSD
READY

Example of SPKBATCH

```
ENTER ROUTINE CODE (OR QUIT OR HELP)
SPKB
THIS IS A SPOKEZ BATCH RUN.
DO YOU ALREADY HAVE A FILE OF SPOKEZ COMMANDS? (Y OR N)
Y
ENTER THE NAME OF THIS FILE (ERS67 IS ASSUMED).
YUGO.GRAINS.DATA
ENTER THE JOBNAME
ER67DJ
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
291
ENTER THE NUMBER OF COPIES DESIRED

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

WHAT IS YOUR PRIORITY?
(1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

WHAT IS THE JOB CLASS? (USUALLY C)

      JOBNAME=ER67DJ  ACCOUNT=2911027186  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=1  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
ENTER THE SPOKEZ COMMANDS AND EDIT THEM WITH ISO EDITOR.
CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU
SAVE THEM.  SEND 'STOP' WHEN YOU ARE FINISHED.
EDIT
L
00001 SIZE=30
00002 GET YUGOSLAV
00003 EXECUTE YUGOSLAV
00004 QUIT
END OF DATA
EDIT
RENUM
EDIT
C 30 /EXECUTE //
EDIT
L
00010 SIZE=30
00020 GET YUGOSLAV
00030 YUGOSLAV
00040 QUIT
END OF DATA
EDIT
STOP
ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)
Y
ENTER THE FILE NAME, FULLY QUALIFIED WITH PREFIX AND SUFFIX
ERS67.ERS116.SPOKEZ.MYKEEP.DATA
ENTER THE LIBRARY (OR DD) NAME (LESS THAN 8 CHARACTERS)
MYKEEP
ARE YOU USING A MYKEEP FILE WITH A STANDARD NAME? (Y OR N)
N
WILL YOU BE USING A CHECKPOINT FILE? (Y OR N)
N
JOB ER67DJ(JOB06091) SUBMITTED ** FREE ALL FILES **
```



APPENDIX A: TSO SOURCE LISTING OF THE TOAM PROCEDURE

```

*****00000010
/*00000020
/*00000030
/* THE TOAM PROCEDURE WAS WRITTEN BY WALTER HOUSER, FPOC, DCPA.00000040
/* IT ALLOWS THE USER TO UPDATE TOAM DOCUMENTATION AND DATA USING00000050
/* BATCH PROGRAMS AND PROCEDURES DESCRIBED IN THE TOAM SYSTEM.00000060
/* DOCUMENTATION BY ROBERT L. OTTO. THE PROCEDURE EXECUTES SPEAKEZ00000070
/* FOR THE TOAM VARIABLE DOCUMENTATION AND OBCARDX FOR THE DATA.00000080
/* TABULAR LISTINGS ARE GENERATED USING TPTABULAR AND TOAMSTAR.00000090
/* DOCUMENTATION LISTING IS GENERATED USING TOAMJOIR AND TOAMTXEN.00000100
/* ONE OF THE ROUTINES IN THIS PROCEDURE ENABLES THE USER TO SUMMIT00000110
/* SPEAKEZ COMMANDS FOR BATCH EXECUTION. DETAILS ON THE VARIOUS00000120
/* ROUTINES ARE FOUND IN THE HELP PARAGRAPHS AT THE TOP OF THE00000130
/* PROCEDURE.00000140
/*00000150
/* WALTER HOUSER 3/7/7900000160
*****00000170
CONTROL END(ENDD) H8G MAIN00000180
WRITE WELCOME TO TOAM IN THE BATCH MODE.00000190
SET %ZEROFLO EQ %STR(0000000000)00000200
SET %DNECLOC=00000210
SET %DUTP=196000100000220
SET %DOLP=19700110000230
SET %BLANKFLO EQ %STR( )00000240
START: WRITE00000250
WRITE ENTER THE ROUTINE CODE (OR QUIT OR HELP).00000260
READ00000270
IF %STR(%SYSOVAL) NE %STR( ) THEN READOVAL %TASK00000280
ERROR 00000290
WRITE BATCH TOAM PROCEDURE ERROR. PLEASE SAVE YOUR OUTPUT AND00000300
WRITE CONTACT WALT HOUSER AT XT6809.00000310
WRITE LASTCC=&LASTCC MAYCC=&MAYCC SYSPCMD=&SYSPCMD SYSRCHD=&00000320
%SYSSCD=00000330
SET %CUMMY1=00000340
RETURN00000350
ENDD00000360
ATTN 00000370
IF %SYSPCMD EQ EDIT THEN ENDD00000380
WRITE ATTENTION BREAK00000390
ATTN00000400
SET %CUMMY1=00000410
GOTO START00000420
ENDD00000430
IF %TASK EQ SPBATCH THEN SET %TASK EQ SPKB00000440
ELSE IF %TASK EQ POSTDATA THEN SET %TASK EQ TOATA00000450
ELSE IF %TASK EQ CHGUNG THEN SET %TASK EQ CDUC00000460
ELSE IF %TASK EQ LIST THEN SET %TASK EQ TAB00000470
ELSE IF %TASK EQ DELETE THEN SET %TASK EQ DFL00000480
ELSE IF %TASK NE DCC AND =00000490
%TASK NE TDATA AND =00000500
%TASK NE DEL AND =

```



APPENDIX A: TSO SOURCE LISTING OF THE TOAM PROCEDURE

```

        TASK NE CREATE AND =                                00000510
        TASK NE COPY AND =                                  00000520
        TASK NE SPKB AND =                                  00000530
        TASK NE DIR AND =                                   00000540
        TASK NE TAB AND =                                   00000550
        TASK NE QUIT AND =                                  00000560
        TASK NE HELP THEN DO                                00000570
        GOTO START                                          00000580
        ENDO                                                00000590
    GOTO TASK                                              00000600
HELP:  WRITE THE FOLLOWING ARE VALID CODES(AND ALIASES):    00000610
        WRITE SPKBATCH(SPKB),CHGDOC,DOC,LIST(TAB),POSTDATA(TDATA),COPY, 00000620
        CREATE,DIR,DELETE(DEL)                                00000630
        WRITE ENTER THE ROUTINE NAME FOR FURTHER INFORMATION. ENTER START 00000640
        WRITE TO RETURN TO EXECUTION MODE.                  00000650
        READ $HELPNAME                                        00000660
        IF $HELPNAME EQ START THEN GOTO START                00000670
        IF $HELPNAME EQ CREATE THEN DO                       00000680
        WRITE CREATE    WILL CREATE A NEW TOAM VARIABLE WITH THE 00000690
        WRITE              DOCUMENTATION YOU PROVIDE IT (ASSUMING YOUR 00000700
        WRITE              TOAM SIGN-IN IS VALID). THE PROCESSING IS 00000710
        WRITE              DONE IN A BATCH JOB. YOU SHOULD GROUP YOUR CHGDOC, 00000720
        WRITE              COPY,CREATE AND DELETE ROUTINES TOGETHER. 00000730
        WRITE                                                    00000740
        ENDO                                                    00000750
        IF $HELPNAME EQ TDATA OR $HELPNAME EQ POSTDATA THEN DO 00000760
        WRITE POSTDATA BATCH EXECUTION OF DATA UPDATES TO THE TOAM 00000770
        WRITE              DATA BASE. THIS ROUTINE USES DDCARDY. 00000780
        WRITE              TDATA IS A VALID ALIAS.              00000790
        WRITE                                                    00000800
        ENDO                                                    00000810
        IF $HELPNAME EQ DEL OR $HELPNAME EQ DELETE THEN DO 00000820
        WRITE DELETE    WILL DELETE TOAM VARIABLES IN A BATCH JOB. 00000830
        WRITE              DEL IS A VALID ALIAS. YOU SHOULD GROUP YOUR CHGDOC, 00000840
        WRITE              COPY,CREATE AND DELETE ROUTINES TOGETHER. 00000850
        WRITE                                                    00000860
        ENDO                                                    00000870
        IF $HELPNAME EQ COPY THEN DO                          00000880
        WRITE COPY      WILL CREATE OR REPLACE A NEW VARIABLE WITH THE DATA 00000890
        WRITE              AND DOCUMENTATION OF AN OLD VARIABLE. DOCUMENTATION 00000900
        WRITE              CAN BE CHANGED BUT THE DATA CANNOT. (SEE POSTDATA.) 00000910
        WRITE              YOU SHOULD GROUP YOUR CHGDOC, COPY, CREATE AND 00000920
        WRITE              DELETE ROUTINES TOGETHER FOR EFFICIENT PROCESSING. 00000930
        WRITE                                                    00000940
        ENDO                                                    00000950
        IF $HELPNAME EQ DOC OR $HELPNAME EQ CHGDOC THEN DO 00000960
        WRITE CHGDOC    BATCH EXECUTION OF DOCUMENTATION UPDATES TO THE 00000970
        WRITE              TOAM DATA BASE. YOU SHOULD GROUP YOUR CHGDOC, COPY, 00000980
        WRITE              CREATE AND DELETE ROUTINES TOGETHER FOR EFFICIENT 00000990
        WRITE              PROCESSING.                            00010000

```


APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

```

WRITE                                00001010
END0                                00001020
IF $HELPNAME EQ TAB OR $HELPNAME EQ LIST THEN DO 00001030
WRITE LIST    BATCH LISTING OF TDAM DATA FOR A SPECIFIED TDAM 00001040
WRITE        LOGICAL GROUP AND FREQUENCY. YOU MUST ALLOW FOR 00001050
WRITE        BATCH EXECUTION OF ANY CHANGES BEFORE EXPECTING 00001060
WRITE        THEM TO APPEAR IN A TDAM LIST ON TAB RUN. 00001070
WRITE        YOU MAY LIST TDAM DATA ON A VARIABLE BY VARIABLE 00001080
WRITE        BASIS, WHICH IS CONSIDERABLY CHEAPER THAN REQUESTING 00001090
WRITE        AN ENTIRE LOGICAL GROUP. 00001100
WRITE        TAB IS A VALID ALIAS. 00001110
WRITE                                00001120
END0                                00001130
IF $HELPNAME EQ OIR THEN DO 00001140
WRITE OIR    BATCH LISTING OF THE DOCUMENTATION OF A TDAM 00001150
WRITE        LOGICAL GROUP AND FREQUENCY. 00001160
WRITE                                00001170
END0                                00001180
IF $HELPNAME EQ SPBH OR $HELPNAME EQ SPBATCH THEN DO 00001190
WRITE SPBATCH BATCH EXECUTION OF SPEAREZ/FEDRASY. 00001200
WRITE        EXISTING COMMANDS MAY BE USED OR NEW 00001210
WRITE        COMMANDS ENTERED USING THE TSO EDITOR. 00001220
WRITE        SPBH IS A VALID ALIAS. 00001230
WRITE                                00001240
END0                                00001250
GOTO HELP 00001260
COPY: WRITE THIS ROUTINE IS FOR BATCH COPYING OF TDAM VARIABLES. 00001270
WRITE IF THE DOCUMENTATION FIELD IS NOT TO BE CHANGED, THEN 00001280
WRITE ENTER KEEP OR K. IF THE ENTRY FOR THE FIELD IS TO BE THE 00001290
WRITE SAME AS THAT FOR THE PREVIOUS UPDATED VARIABLE, THEN 00001300
WRITE ENTER DITTO OR D OR A CARRIAGE RETURN. 00001310
GOTO JORCAND 00001320
CREATE: WRITE THIS ROUTINE IS FOR CREATING NEW TDAM VARIABLES. 00001330
WRITE IF THE DOCUMENTATION IS TO BE THE SAME AS THAT FOR THE 00001340
WRITE PREVIOUS UPDATED VARIABLE, ENTER DITTO OR D OR A CARRIAGE 00001350
WRITE RETURN. (YOU SHOULD NOT USE THE KEEP OR K OPTION.) 00001360
GOTO JORCAND 00001370
DEL: WRITE THIS ROUTINE IS FOR BATCH DELETION OF TDAM VARIABLES. 00001380
GOTO JORCAND 00001390
CDOC: WRITE THIS ROUTINE IS FOR BATCH UPDATES OF TDAM DOCUMENTATION. 00001400
WRITE IF THE DOCUMENTATION FIELD IS NOT TO BE CHANGED, THEN 00001410
WRITE ENTER KEEP OR K. IF THE ENTRY FOR THE FIELD IS TO BE THE 00001420
WRITE SAME AS THAT FOR THE PREVIOUS UPDATED VARIABLE, THEN 00001430
WRITE ENTER DITTO OR D OR A CARRIAGE RETURN. 00001440
GOTO JORCAND 00001450
TDATA: WRITE THIS ROUTINE IS FOR BATCH UPDATES OF TDAM DATA 00001460
GOTO JORCAND 00001470
TAB: WRITE THIS ROUTINE PROVIDES A TABULAR LISTING OF TDAM DATA 00001480
WRITE INDIVIDUALLY OR BY LOGICAL GROUP. 00001490
GOTO JORCAND 00001500

```


APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

```

DIRI WRITE THIS ROUTINE PROVIDES A DIRECTORY OF TDAM DATA GROUPS.      00001510
  GOTO JORCAND                                                            00001520
SPKBI WRITE THIS IS A SPEAKEZ MATCH RUN.                                00001530
SET &CHKFILE EQ &STR( )                                                00001540
WRITE DO YOU ALREADY HAVE A FILE OF SPEAKEZ COMMANDS? (Y OR N)          00001550
READ &ANS                                                                00001560
IF &ANS EQ N OR &ANS EQ NO THEN DO                                       00001570
  SET &EDITDA=&STR('SYS1.CLIST(DUMMY)' DATA)                            00001580
  WRITE IF YOU SAVE THESE SPEAKEZ COMMANDS WHILE IN THE TSO EDITOR      00001590
  WRITE (SAVE XXX), THEN ITS NAME WILL BE &SYSREF.,XXX,DATA             00001600
  ENDD                                                                    00001610
ELSE DO                                                                  00001620
  WRITE ENTER THE NAME OF THIS FILE (&SYSREF IS ASSUMED).              00001630
  READ &EDITDA                                                            00001640
  ENDD                                                                    00001650
GOTO JORCAND                                                            00001660
JORCAND WRITE ENTER THE JOBNAME                                          00001670
READ                                                                      00001680
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &JOBNAME                    00001690
WRITE ENTER YOUR 10 DIGIT ACCOUNT NUMBER                                00001700
READ                                                                      00001710
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &ACCOUNT                     00001720
WRITE ENTER THE NUMBER OF COPIES DESIRED                                00001730
READ                                                                      00001740
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &NCOPY                        00001750
WRITE ENTER THE REMOTE TERMINAL (HMT3 FOR ESGS OR HMT3 FOR FAS)         00001760
READ                                                                      00001770
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &ROUTE                       00001780
WRITE IS THE OUTPUT TO BE ON XEROX? (Y OR N)                            00001790
READ                                                                      00001800
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &XEROX                       00001810
IF &XEROX=YES OR &XEROX=NO THEN -                                       00001820
DO                                                                        00001830
  SET &FORM=XEROX                                                         00001840
  WRITE YOU MUST GIVE THE OPERATOR A REQUEST FORM FOR XEROX            00001850
  WRITE PROCESSING. PLEASE ALLOW 3 DAYS.                                00001860
  SET &SYSOUT=O                                                            00001870
  ENDD                                                                    00001880
ELSE DO                                                                    00001890
  SET &FORM=1431                                                         00001900
  IF &ROUTE=HMT3 THEN SET &SYSOUT=C ELSE SET &SYSOUT=A                 00001910
  ENDD                                                                    00001920
PRIORITY: SET &PANS EQ NO                                                00001930
PRTY1 WRITE WHAT IS YOUR PRIORITY?                                       00001940
WRITE (1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)                  00001950
READ                                                                      00001960
IF &STR(&SYSDVAL) NE &STR( ) THEN READOVAL &PRTY                       00001970
IF &PRTY EQ 13 AND &PANS EQ NO THEN DO                                  00001980
  WRITE PRIORITY 13 COSTS THREE TIMES THAT OF PRIORITY 3.              00001990
  WRITE DO YOU WISH TO CHANGE PRIORITY? (Y OR N)                        00002000

```



APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

HEAD &PANS	00002010
IF &PANS EQ Y OR &PANS EQ YES THEN GOTO PRIV1	00002020
END00	00002030
WRITE WHAT IS THE JOB CLASS? (USUALLY C)	00002040
HEAD	00002050
IF &STR(&SYS0VAL) NE &STR() THEN READ0VAL &CLASS	00002060
IF &CLASS EQ C THEN DO	00002070
SET &MINUTES=0	00002080
SET &SECONDS=20	00002090
END00	00002100
ELSE IF &CLASS=0 THEN DO	00002110
SET &MINUTES=2	00002120
SET &SECONDS=0	00002130
END00	00002140
ELSE DO	00002150
WRITE ENTER THE NUMBER OF MINUTES ALLOWED FOR CLASS &CLASS	00002160
READ &MINUTES	00002170
WRITE ENTER THE NUMBER OF SECONDS PERMITTED	00002180
READ &SECONDS	00002190
END00	00002200
WRITE JOBNAME=&JOBNAME ACCOUNT=&ACCOUNT COPIES=&NCOPY	00002210
WRITE ROUTE=&ROUTE FORM=&FORM PRIORITY=&PRIV CLASS=&CLASS	00002220
WRITE	00002230
WRITE IS THIS CORRECT? (Y OR N)	00002240
HEAD &ANS	00002250
IF &ANS EQ N OR &ANS EQ NO THEN DO	00002260
WRITE PLEASE TRY AGAIN	00002270
GOTO JUMCARD	00002280
END00	00002290
IF &TASK EQ SPMB THEN DO	00002300
WRITE ENTER THE SPEAKER COMMANDS AND EDIT THEM WITH TSO EDITOR.	00002310
WRITE CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU	00002320
WRITE SAVE THEM. SEND STOP WHEN YOU ARE FINISHED.	00002330
EDIT &EDITUA	00002340
IF &EDITUA EQ &STR('SYS1,CLIST(DUMMY)' DATA) THEN DEL 10	00002350
TERMIN. STOP	00002360
UNNIM	00002370
Y OFF	00002380
TOP	00002390
INSERT //&JOBNAME JOB (&ACCOUNT,,TS000,,,&NCOPY,).	00002400
INSERT //	00002410
INSERT // MSGLEVEL=,PRIV=&PRIV,,NOTIFY=&SYSUID,.	00002420
INSERT // TIME=&MINUTES,,&SECONDS,,CLASS=&CLASS.	00002430
INSERT //ROUTE PRINT &ROUTE.	00002440
INSERT //STEP2 EXEC ERSOASIS,REGION,0ASIS=000K	00002450
INSERT //0ASIS,SPEAKIN 00 *	00002460
NOTTOP	00002470
WRITE ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)	00002480
HEAD &ANS	00002490
IF &ANS EQ Y OR &ANS EQ YES THEN DO	00002500

APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

```

WRITE ENTER THE FILE NAME, FULLY QUALIFIED WITH PREFIX AND SUFFIX, 00002510
READ &MYFILE 00002520
WRITE ENTER THE LIBRARY (OR DD) NAME (LESS THAN 8 CHARACTERS) 00002530
READ &MYDD 00002540
INSERT //DASIS,&MYDD ON IS=&MYFILE,, 00002550
INSERT // DISPSH 00002560
END 00002570
WRITE ARE YOU USING A MYXFER FILE WITH A STANDARD NAME? (Y OR N) 00002580
READ &ANS 00002590
IF &ANS EQ Y OR &ANS EQ YES THEN DO 00002600
  INSERT //DASIS,MYKEEP DD DS=SYSPPRF,,SPEAKEZ,MYKEEP.DATA, 00002610
  INSERT // DISPSH 00002620
  END 00002630
WRITE WILL YOU BE USING A CHECKPOINT FILE? (Y OR N) 00002640
READ &ANS 00002650
IF &ANS EQ Y OR &ANS EQ YES THEN DO 00002660
  WRITE ENTER ONE NAME ONLY 00002670
  READ &CHKFILE 00002680
  WRITE &SYSPPRF,,&CHKFILE,,SPEKSAVE MUST ALREADY EXIST. 00002690
  INSERT //DASIS,&CHKFILE DD DS=SYSPPRF,,&CHKFILE,,SPEKSAVE, 00002700
  INSERT // DISPSH 00002710
  END 00002720
INSERT // 00002730
TOP 00002740
FIND M/7 00002750
C = 4/7M/4 00002760
SUMMIT 00002770
END 00002780
END 00002790
IF &TASK EQ TAB THEN DO 00002800
  WRITE DO YOU WISH TO LIST BY GROUP OR VARIABLE? (G OR V) 00002810
  READ &ANS 00002820
  IF &SINHSTR(111,&ANS) EQ G THEN DO 00002830
    TAB011 WRITE ENTER YOUR LOGICAL GROUP AND FREQUENCY 00002840
    READ 00002850
    IF &STR(&SYNOVAL) NE &STR( ) THEN READ0VAL &TOLGF 00002860
    WRITE IS &TOLGF CORRECT? (Y OR N) 00002870
    READ &ANS 00002880
    IF &ANS EQ N OR &ANS EQ NO THEN DO 00002890
      WRITE PLEASE TRY AGAIN 00002900
      GOTO TAB01 00002910
    END 00002920
  END 00002930
  EDIT PER&S,LIBRARY,TDAM,USERS,CNTL(TABULAK1)* CNTL 00002940
  C 10 /JOBNAME/&JOBNAME/ 00002950
  C 10 /PROJNO/&ACCOUAT/ 00002960
  C 10 /COPIES/&ENCRYPT/ 00002970
  C 20 /PRIORITY/APRTY/ 00002980
  C 230 /LGFAORV/&TOLGF/ 00002990
  C 570 /LGFAORV/&TOLGF/ 00003000
  C 640 /FORM/&STR(&SYNOVAL),,&FORM,) 00003010

```


APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

SUBMIT	00003010
END	00003020
FREEFALL	00003030
GOTO START	00003040
END	00003050
EDIT 'SYS1.CLIST(DUMMY)' CNTL	00003060
TOP	00003070
INSERT //&JOHNAME JOB (&ACCOUNT,,TS000,,,,&NCOPY.),	00003080
DEL 10	00003090
UNNHL	00003100
INSERT // 'TDAM TABULAR LIST',	00003110
INSERT // MSGLEVEL=1,PRTY=&PRTY,,NOTIFY=&SYSUID,,	00003120
INSERT // TIME=&MINUTES,,&SECONDS,,CLASS=&CLASS,	00003130
INSERT //ROUTE PRINT ROUTE,	00003140
INSERT //STEP01 EXEC PGM=TDAMTABULR,REGION=334K	00003150
INSERT //STEPLIR DD USN=ERS66,LIBRARY.LOAD,DISP=SHR	00003160
INSERT //GO,FT05F001 DD *	00003170
WRITE DO YOU WANT THE USUAL PRINT OPTIONS(MISSING,ZEROS)? (Y OR N)	00003180
READ &ANS	00003190
IF &ANS NE N AND &ANS NE NU THEN DO	00003200
INSERT MISSING	00003210
INSERT ZEROS	00003220
GOTO TABOPT2	00003230
END	00003240
ELSE DO	00003250
WRITE SEE TDAM DOCUMENTATION FOR OPTIONS.	00003260
WRITE ENTER STOP WHEN YOU ARE FINISHED.	00003270
TABOPT1: WRITE ENTER OPTION	00003280
HEAD &OPT	00003290
IF &OPT EQ STOP THEN GOTO TABOPT2	00003300
INSERT &OPT	00003310
GOTO TABOPT1	00003320
END	00003330
TABOPT2: INSERT STOP	00003340
INSERT VARIABLES 033A	00003350
INSERT //	00003360
INSERT //GO,FT06F001 DD SYSOUT=*,	00003370
INSERT // DCB=(RECFM=FB,LF=1,RECL=133,RLKSIZE=13300)	00003380
INSERT //GO,FT07F001 DD SYSOUT=*,	00003390
INSERT // DCB=(RECFM=FB,LF=1,RECL=133,RLKSIZE=13300)	00003400
WRITE ENTER STOP OR NOMD WHEN YOU ARE FINISHED.	00003410
INSERT //GO,FT01F001 DD USN=ERS78,TDAM,STUBS,DATA,DISP=SHR	00003420
INSERT //SYSPRINT DD SYSOUT=*	00003430
INSERT //SYSOUT DD SYSOUT=*	00003440
INSERT //SYSQDD DD SYSOUT=*	00003450
INSERT //SYSQDDOUT DD SYSOUT=*	00003460
INSERT //SYSQTERM DD SYSOUT=*	00003470
INSERT //GO,CCINPUTS DD *	00003480
TAB1: WRITE	00003490
WRITE ENTER LOGICAL GROUP AND FREQUENCY (OR STOP).	00003500

APPENDIX A: TSO SOURCE LISTING OF THE TDAF PROCEDURE

```

READ
IF &STH(&SYSVAL) EQ NUMO OR &STH(&SYSVAL) EQ STOP *
  OR &STH(&SYSVAL) EQ QUIT THEN GOTO TAB2
IF &STH(&SYSVAL) NE &STH() THEN READVAL &TOLGF
WRITE ENTER THE VARIABLE NAME IN &TOLGF
READ
IF &STR(&SYSVAL) NE &STH() THEN SET &TNAME EQ &STR(&SYSVAL)
WRITE
WRITE THE VARIABLE NAME IS: &TNAME
WRITE THE LOGICAL GROUP AND FREQUENCY IS: &TOLGF
WRITE
WRITE IS THIS CORRECT? (Y OR N)
READ &ANS
IF &ANS EQ Y OR &ANS EQ NO THEN DO
  WRITE PLEASE TRY AGAIN
  GOTO TAB1
END
INSERT UPGET LGF=&TOLGF KEY=&TNAME IP=0 LP=0
GOTO TAB1
TAB2: WRITE
INSERT END
INSERT //
INSERT //02DATA DD DSN=HLS66.02.OILCDA,ONLINE,DATA,
INSERT //          DISP=SHR,DCREDSORG=DA
INSERT //02INDEX DD DSN=HLS66.02.OILCNDX,ONLINE,DATA,
INSERT //          DISP=SHR,DCREDSORG=IS
INSERT //AUDIT DD DUMMY
INSERT //TRIGGER DD DSN=HLS66.02.TRIGGR,DATA,
INSERT //          DISP=SHR,DCREDSORG=IS
INSERT //
TOP
C = 9999 4/74/0PA
SUMMIT
END
END
IF &TAGA EQ DIR THEN DO
  DIR: WRITE ENTER THE LOGICAL GROUP FOR WHICH YOU WISH A DIRECTORY
  READ
  IF &STH(&SYSVAL) NE &STH() THEN READVAL &TOLGF
  WRITE IS &TOLGF CORRECT? (Y OR N)
  READ &ANS
  IF &ANS EQ Y OR &ANS EQ NO THEN DO
    WRITE PLEASE TRY AGAIN
    GOTO DIR1
  END
  WRITE DO YOU WANT A COMPLETE OR BRIEF LISTING OF THE *
    DOCUMENTATION? (C OR B)
  READ &ANS
  IF &SUBSTR(1,1,&ANS) EQ C THEN DO
    EDIT 'HLS66.LIBRARY.TDAF.USER8.CNTL(DIRECTRY)' CNTL

```

```

00003510
00003520
00003530
00003540
00003550
00003560
00003570
00003580
00003590
00003600
00003610
00003620
00003630
00003640
00003650
00003660
00003670
00003680
00003690
00003700
00003710
00003720
00003730
00003740
00003750
00003760
00003770
00003780
00003790
00003800
00003810
00003820
00003830
00003840
00003850
00003860
00003870
00003880
00003890
00003900
00003910
00003920
00003930
00003940
00003950
00003960
00003970
00003980
00003990
00004000

```


APPENDIX A: TSO SOURCE LISTING OF THE TOAM PROCEDURE

```

C 10 /JOBNAME/BJURNAME./
C 10 /PROJNO/ACCOUNT./
C 10 /COPIES/ENCOPY./
C 20 /PRIORITY/PRTY./
C 190 /LGPARBRV/DTOLGF./
C 250 /SYSOUT=A/SYSOUT=(SYSOUT,,,BFORM.)/
SUBMIT
END
ENDQ
ELSE DO
EDIT 'ERS66,LIBRARY,TOAM,USERS,CNTL(DIMDOC)' CNTL
C 10 /JOBNAME/BJURNAME./
C 10 /PROJNO/ACCOUNT./
C 10 /COPIES/ENCOPY./
C 20 /PRIORITY/PRTY./
C 190 /LGPARBRV/DTOLGF./
C 250 /SYSOUT=A/SYSOUT=(SYSOUT,,,BFORM.)/
SUBMIT
END
ENDQ
ENDQ
IF &TASK EQ CDOC OR &TASK EQ COPY OR &TASK EQ DEL +
OR &TASK EQ CREATE THEN DO
EDIT 'SYS1,CLIST(DUMMY)' CNTL
TOP
INSERT //JOBNAME JOB (ACCOUNT.,TS000,,,,ENCOPY.),
DEL 10
UNNUM
INSERT //      'TOAM DOC UPDATE',
INSERT //      MSGLEVEL=1,PRTY=&PRTY.,NOTIFY=&SYSUID.,
INSERT //      TIME=(&THRTFS.,&SECONDS.),CLASS=&CLASS,
INSERT //ROUTE PRINT &ROUTE,
INSERT //STEP2 EXEC ERS0ASIS,REGION,0ASIS=600X
INSERT //0ASIS.SPEAKIN DD *
INSERT SIZE=50
INSERT FCHO;INPUTCOL(40);LOAD TOAM;LOAD TDPLEN
WRITE ENTER YOUR TOAM SIGN-IN NAME AND PASSWORD (ERQXX PASS)
HEAD
IF &STR(&SYSOVAL) NE &STR() THEN HEADOVAL &DSIGN1 &DSIGN2
INSERT TOAM SIGNIN &DSIGN1 &DSIGN2
INSERT TUFORMAT="T4";TDOSETUM="      ",SPACE(5)
CONCL: WRITE
SET &NE=EXIST EQ 4
IF &TASK EQ COPY THEN SET &INNOTE EQ &STR(CLO )
ELSE SET &INNOTE EQ &STR()
WRITE ENTER YOUR &INNOTE,LOGICAL GROUP AND FREQUENCY
HEAD
IF &STR(&SYSOVAL) EQ X THEN SET &SYSOVAL EQ KEEP
IF &STR(&SYSOVAL) EQ D THEN SET &SYSOVAL EQ DITTO
IF &STR(&SYSOVAL) NE &STR() AND &STR(&SYSOVAL) NE DITTO +

```


APPENDIX A1 TSO SOURCE LISTING OF THE TDAM PROCEDURE

THEN READVAL BTOLGF	00004510
WRITE ENTER THE MINUTE, VARIABLE NAME	00004520
READ	00004530
IF BSTR(BSYSDVAL) EQ K THEN SET BSYSDVAL EQ KEEP	00004540
IF BSTR(BSYSDVAL) EQ D THEN SET BSYSDVAL EQ DITTO	00004550
IF BSTR(BSYSDVAL) NE BSTR() AND BSTR(BSYSDVAL) NE DITTO THEN *	00004560
SET BTONAME EQ BSTR(BSYSDVAL)	00004570
IF BTASK EQ DEL THEN DO	00004580
WRITE	00004590
WRITE THE VARIABLE TO BE DELETED IS: BTONAME	00004600
WRITE THE LOGICAL GROUP AND FREQUENCY IS: BTOLGF	00004610
WRITE	00004620
WRITE IS THIS CORRECT? (Y OR N)	00004630
READ BANS	00004640
IF BANS EQ N OR BANS EQ NO THEN DO	00004650
WRITE PLEASE TRY AGAIN	00004660
GOTO CUCCI	00004670
END	00004680
INSERT BTONAME BTONAME BTONAME BTOLGF BTOLGF	00004690
INSERT TUIP BUI TOLP BUI TDAM (DEL BTONAME)	00004700
GOTO DEL2	00004710
END	00004720
IF BTASK EQ COPY THEN DO	00004730
WRITE ENTER THE NEW LOGICAL GROUP AND FREQUENCY	00004740
READ	00004750
IF BSTR(BSYSDVAL) EQ K THEN SET BSYSDVAL EQ KEEP	00004760
IF BSTR(BSYSDVAL) EQ D THEN SET BSYSDVAL EQ DITTO	00004770
IF BSTR(BSYSDVAL) NE BSTR() AND BSTR(BSYSDVAL) NE DITTO THEN *	00004780
SET BNTOLGF EQ BSTR(BSYSDVAL)	00004790
ELSE SET BNTOLGF EQ BTOLGF	00004800
WRITE ENTER THE NEW VARIABLE NAME	00004810
READ	00004820
IF BSTR(BSYSDVAL) EQ K THEN SET BSYSDVAL EQ KEEP	00004830
IF BSTR(BSYSDVAL) EQ D THEN SET BSYSDVAL EQ DITTO	00004840
IF BSTR(BSYSDVAL) NE BSTR() AND BSTR(BSYSDVAL) NE DITTO THEN *	00004850
SET BNTONAME EQ BSTR(BSYSDVAL)	00004860
ELSE SET BNTONAME EQ BTONAME	00004870
WRITE DOES THE NEW VARIABLE EXIST? (Y OR N)	00004880
READ BNEWEXIST	00004890
IF BNEWEXIST EQ NO THEN SET BNEWEXIST EQ N	00004900
END	00004910
ELSE DO	00004920
IF BTASK EQ CREATE THEN DO	00004930
WRITE ENTER THE INITIAL PERIOD (E.G. BTUIP)	00004940
READ	00004950
IF BSTR(BSYSDVAL) EQ K THEN SET BSYSDVAL EQ KEEP	00004960
IF BSTR(BSYSDVAL) EQ D THEN SET BSYSDVAL EQ DITTO	00004970
IF BSTR(BSYSDVAL) NE BSTR() AND BSTR(BSYSDVAL) NE DITTO *	00004980
THEN READVAL BTUIP	00004990
WRITE ENTER THE LAST PERIOD (E.G. BTOLP)	00005000

APPENDIX A1 TSD SOURCE LISTING OF THE TDAM PROCEDURE

```

HEAD
IF BSTR(BSYSDVAL) EQ * THEN SET BSYSDVAL EQ KEEP
IF BSTR(BSYSDVAL) EQ 0 THEN SET BSYSDVAL EQ DITTO
IF BSTR(BSYSDVAL) NE BSTR() AND BSTR(BSYSDVAL) NE DITTO *
THEN HEADVAL RTDLP
END
END
WRITE ENTER THE DECIMAL PLACES
HEAD
IF BSTR(ASYSDVAL) EQ * THEN SET ASYSDVAL EQ KEEP
IF BSTR(ASYSDVAL) EQ 0 THEN SET ASYSDVAL EQ DITTO
IF BSTR(ASYSDVAL) NE BSTR() AND BSTR(ASYSDVAL) NE DITTO *
THEN HEADVAL RTDCLUC
WRITE ENTER THE UNIT OF MEASURE
HEAD
IF BSTR(BSYSDVAL) EQ * THEN SET BSYSDVAL EQ KEEP
IF BSTR(ASYSDVAL) EQ 0 THEN SET ASYSDVAL EQ DITTO
IF BSTR(ASYSDVAL) NE BSTR() AND BSTR(ASYSDVAL) NE DITTO THEN *
SET LUNITS EQ BSTR(ASYSDVAL)
WRITE ENTER THE OWNER'S NAME
HEAD
IF BSTR(BSYSDVAL) EQ * THEN SET BSYSDVAL EQ KEEP
IF BSTR(ASYSDVAL) EQ 0 THEN SET ASYSDVAL EQ DITTO
IF BSTR(ASYSDVAL) NE BSTR() AND BSTR(ASYSDVAL) NE DITTO THEN *
SET LINSETHBY EQ BSTR(ASYSDVAL)
WRITE ENTER THE DESCRIPTION
HEAD
IF BSTR(BSYSDVAL) EQ * THEN SET BSYSDVAL EQ KEEP
IF BSTR(ASYSDVAL) EQ 0 THEN SET ASYSDVAL EQ DITTO
IF BSTR(ASYSDVAL) NE BSTR() AND BSTR(ASYSDVAL) NE DITTO THEN *
SET LIDOCINF EQ BSTR(ASYSDVAL)
WRITE ENTER THE DATA SOURCE
HEAD
IF BSTR(BSYSDVAL) EQ * THEN SET BSYSDVAL EQ KEEP
IF BSTR(ASYSDVAL) EQ 0 THEN SET ASYSDVAL EQ DITTO
IF BSTR(ASYSDVAL) NE BSTR() AND BSTR(ASYSDVAL) NE DITTO THEN *
SET LINSOURCE EQ BSTR(ASYSDVAL)
WRITE
WRITE THE NEW DOCUMENTATION IS AS FOLLOWS:
WRITE LNOTE, LOGICAL GROUP AND FREQUENCY IS ... RTDLCF
WRITE LNOTE, VARIABLE NAME IS ... RTNAME
IF LTASK EQ COPY THEN DO
WRITE NEW LOGICAL GROUP AND FREQUENCY IS ... BNTULCF
WRITE NEW VARIABLE NAME IS ... BNTNAME
END
WRITE DECIMAL PLACES ARE ... RTDCLUC
WRITE UNIT OF MEASURE IS ... RTUNITS
SET LUNITS EQ BLNGTH(BSTR(BTUNITS))
IF BLUNITS GE 17 THEN *
WRITE UNIT OF MEASURE (BLUNITS CHARS) IS OVER 16 CHARACTERS.

```

```

00005010
00005020
00005030
00005040
00005050
00005060
00005070
00005080
00005090
00005100
00005110
00005120
00005130
00005140
00005150
00005160
00005170
00005180
00005190
00005200
00005210
00005220
00005230
00005240
00005250
00005260
00005270
00005280
00005290
00005300
00005310
00005320
00005330
00005340
00005350
00005360
00005370
00005380
00005390
00005400
00005410
00005420
00005430
00005440
00005450
00005460
00005470
00005480
00005490
00005500

```


APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

```

WRITE  OWNER'S NAME IS ... &TSETURY          00005510
SET  &LSETURY EQ &LENGTH(&STR(&TSETURY))      00005520
IF  &LSETURY GE 17 THEN *                      00005530
  WRITE  OWNER'S NAME (&LSETURY CHARACTERS) IS OVER 16 CHARACTERS. 00005540
  WRITE  DESCRIPTION IS ... &TDOOCINF          00005550
  SET  &LDOC EQ &LENGTH(&STR(&TDOOCINF))        00005560
  IF  &LDOC GE 80 THEN WRITE  DESCRIPTION (&LDOC CHARS) IS TOO LONG. 00005570
  WRITE  DATA SOURCE IS ... &TDSOURCE         00005580
  SET  &LSOR EQ &LENGTH(&STR(&TDSOURCE))        00005590
  IF  &LSOR GE 80 THEN WRITE  SOURCE (&LSOR CHARS) IS TOO LONG. 00005600
  IF  &TASK EQ CREATE THEN DO                  00005610
    WRITE                                     00005620
    WRITE  THIS IS A NEW VARIABLE WITH DATA INITIALIZED AT -999999. 00005630
    WRITE  INITIAL PERIOD IS ... &TDIP          00005640
    IF  &LENGTH(&TDIP) NE 7 THEN *              00005650
      WRITE  INITIAL PERIOD NOT EQUAL TO 7 DIGITS. 00005660
      WRITE  LAST PERIOD IS ... &TDLP          00005670
      IF  &LENGTH(&TDLP) NE 7 THEN *            00005680
        WRITE  LAST PERIOD NOT EQUAL TO 7 DIGITS. 00005690
    ENDDO                                     00005700
  WRITE                                     00005710
  WRITE  IS THIS CORRECT? (Y OR N)              00005720
  READ  RANS                                  00005730
  IF  RANS EQ N OR RANS EQ NO THEN GOTO COND1  00005740
  INSERT  TDNAME=&TDNAME;TOLGP=&TOLGP          00005750
  IF  &TDECLC NE KEEP THEN INSERT  TDECLC=&TDECLC 00005760
  IF  &TASK NE CREATE THEN DO                  00005770
    INSERT  TDIP=&TDIP;TDLP=&TDLP;TDATA=&TDATA;TDAM=&TDAM;TDNAME= 00005780
    INSERT  TDIP=&TDIP;TDLP=&TDLP;TDATA=&TDATA;TDAM=&TDAM;TDNAME= 00005790
    ENDDO                                     00005800
  ELSE DO                                     00005810
    INSERT  TDIP=&TDIP;TDLP=&TDLP;TDATA=&TDATA;TDAM=&TDAM;TDNAME= 00005820
    INSERT  TDAM=&TDAM;TDATA=&TDATA;TDLP=&TDLP;TDIP=&TDIP;TDNAME= 00005830
    ENDDO                                     00005840
  IF  &STR(&TDUNITS) NE KEEP THEN INSERT  TDUNITS=&TDUNITS 00005850
  IF  &STR(&TSETURY) NE KEEP THEN INSERT  TSETURY=&TSETURY 00005860
  IF  &STR(&TDOOCINF) NE KEEP THEN DO          00005870
    IF  &LDOC GE 40 THEN DO                    00005880
      SET  &TDOOC1 EQ &SUBSTR(1,40,&TDOOCINF) 00005890
      SET  &TDOOC2 EQ &SUBSTR(41,&LDOC,&TDOOCINF) 00005900
      INSERT  TDOOCINF=&TDOOC1 00005910
      INSERT  TDOOCINF=&TDOOC1&&TDOOC2 00005920
    ENDDO                                     00005930
    ELSE INSERT  TDOOCINF=&TDOOCINF 00005940
  ENDDO                                     00005950
  IF  &STR(&TDSOURCE) NE KEEP THEN DO          00005960
    IF  &LSOR GE 40 THEN DO                    00005970
      SET  &TDSOR1 EQ &SUBSTR(1,40,&TDSOURCE) 00005980
      SET  &TDSOR2 EQ &SUBSTR(41,&LSOR,&TDSOURCE) 00005990
      INSERT  TDSOURCE=&TDSOR1 00006000
    ENDDO

```


APPENDIX A: TSO SOURCE LISTING OF THE TDAM PROCEDURE

INSERT TDSOURCE=TDSOURCE"&TDSOHN2"	00006010
END00	00006020
ELSE INSERT TDSOURCE="&TDSOURCE"	00006030
END00	00006040
COPY11 IF &TASK EQ COPY THEN DO	00006050
INSERT TUNAME="&TUNAME";TOLGF="&TOLGF"	00006060
IF &NFEXIST EQ Y THEN *	00006070
INSERT TDAM(DEL TUNAME)	00006080
END00	00006090
ELSE IF &TASK NE CREATE THEN *	00006100
INSERT TDAM(DEL TUNAME)	00006110
INSERT TDAM(ADD TUNAME TDAMDATA)	00006120
DEL21 WRITE ENTER ROUTINE CODE (CHGDDC,COPY,CFRATE,DEL) OR STOP	00006130
WRITE IF THERE ARE NO MORE VARIABLES TO BE CHANGED,	00006140
INSERT SPACE(5)	00006150
HEAD	00006160
IF &STH(&SYSDVAL) NE &STH() THEN READOVAL &TASK	00006170
IF &TASK EQ COPY OR &TASK EQ DDCC OR &TASK EQ DEL *	00006180
OR &TASK EQ CREATE THEN GOTO DDCC1	00006190
ELSE DO	00006200
INSERT TDAM END;NOECHNO;QUIT	00006210
INSERT QUIT	00006220
INSERT //	00006230
TOP	00006240
FIND "/?"	00006250
C "/?"/&MA	00006260
SUBMIT	00006270
END	00006280
END00	00006290
END00	00006300
IF &TASK EQ TDATA THEN DO	00006310
EDIT 'SYS1,CLIST(DDMMY)' CNTL	00006320
TOP	00006330
INSERT //&JOBNAME JOB (&ACCOUNT,,&TSC00,,,&NCPY,)	00006340
DEL 10	00006350
UNHUM	00006360
INSERT // 'TDAM DATA UPDATE,'	00006370
INSERT // MSGLEVEL=1,PRTY=PRPT,,NOTIFY=ASY311,,	00006380
INSERT // TIME=(&HOURS,,&SECONDS,),CLASS=&CLASS.	00006390
INSERT //ROUTE PRINT &ROUTE.	00006400
INSERT //STEP01 EXEC PGM=DDCARDX	00006410
INSERT //STEPL1 DD DSN=&H566,LIBRARY,LOAD,DISP=SHR	00006420
INSERT //SYSDOUT DD SYSDOUTA	00006430
INSERT //SYSDOUT DD SYSDOUTA	00006440
INSERT //SYSDOUT DD SYSDOUTA	00006450
INSERT //SYSDTERM DD SYSDOUTA	00006460
INSERT //CARDFIL DD *	00006470
TDSIGN1 WRITE ENTER YOUR TDAM SIGN-IN NAME AND PASSWORD (ERQXX PASS)	00006480
HEAD	00006490
IF &STR(&SYSDVAL) NE &STR() THEN READOVAL &TDSIGN1 &TDSIGN2	00006500

APPENDIX A: TSO SOURCE LISTING OF THE TDA- PROCEDURE

```

IF &LENGTH(&TDSIGN1) NE 5 THEN DO
    WRITE SIGN-IN NAME IS NOT EQUAL TO 5 CHARACTERS
    GOTO TDSIGN
END
IF &TDSIGN2 EQ &STR() THEN DO
    WRITE NO SIGN-IN PASSWORD GIVEN. PLEASE TRY AGAIN.
    GOTO TDSIGN
END
INSERT &TDSIGN1      &TDSIGN2      DATA ENTERED BY &SYSUID *
ON &SYSDATE AT &SYSTIME

WRITE
WRITE ENTER REPEAT OR WFP TO RE-ENTER A VALUE
WRITE NOMORE OR NOM TO STOP BEFORE 5 VALUES
WRITE MISSING OR MIS FOR MISSING DATA (-999999)
WRITE N/A FOR NOT AVAILABLE (-999996)
WRITE NEG FOR NEGLIGIBLE (-999997)
WRITE ENTER STOP OR NOMO WHEN YOU HAVE UPDATED ALL YOUR VARIABLES.
WRITE
DATA1 WRITE ENTER YOUR LOGICAL GROUP AND FREQUENCY (OR STOP)
READ
IF &STR(&SYSDVAL) EQ STOP OR &STR(&SYSDVAL) EQ NOMO THEN GOTO DATA4
IF &LENGTH(&SYSDVAL) NE 4 AND -
    &SYSDVAL NE &STR() AND &STR(&SYSDVAL) NE DITTO THEN DO
    WRITE GROUP AND FREQUENCY NOT EQUAL TO 4 CHARACTERS.
    GOTO DATA1
END
IF &STR(&SYSDVAL) NE &STR() AND &STR(&SYSDVAL) NE DITTO *
    THEN HEADVAL &TDLGF
TDNAME WRITE ENTER THE VARIABLE NAME IN &TDLGF
READ
IF &LENGTH(&SYSDVAL) GT 20 AND -
    &SYSDVAL NE &STR() AND &STR(&SYSDVAL) NE DITTO THEN DO
    WRITE VARIABLE NAME LONGER THAN 20 CHARACTERS
    GOTO TDNAME
END
IF &STR(&SYSDVAL) NE &STR() AND &STR(&SYSDVAL) NE DITTO THEN *
    SET &TDNAME EQ &STR(&SYSDVAL)
TOPERD WRITE ENTER THE INITIAL PERIOD (E.G. &TDIP)
READ
IF &LENGTH(&SYSDVAL) NE 7 AND -
    &SYSDVAL NE &STR() AND &STR(&SYSDVAL) NE DITTO THEN DO
    WRITE INITIAL PERIOD NOT EQUAL TO 7 DIGITS
    GOTO TOPERD
END
IF &STR(&SYSDVAL) NE &STR() AND &STR(&SYSDVAL) NE DITTO *
    THEN HEADVAL &TDIP
WRITE ENTER THE DECIMAL PLACES
READ
IF &STR(&SYSDVAL) NE &STR() AND &STR(&SYSDVAL) NE DITTO *
    THEN HEADVAL &TDUFCLUC

```


APPENDIX A: TSO SOURCE LISTING OF THE TDM PROCEDURE

```

SFT KIND EQ 1
SFT NUM1 EQ &STR()
SFT NUM2 EQ &STR()
SFT NUM3 EQ &STR()
SFT NUM4 EQ &STR()
SFT NUM5 EQ &STR()
SFT &LENGTH EQ 26 * &LENGTH(&TDLGFRATNAME)
SFT &BLANKS EQ &SUBSTR(1,&LENGTH,&BLANKFLD)
SET &CARD EQ &TDLGFRATNAME&BLANKS&TDIP&STR(,,)
WRITE YOU MAY ENTER UP TO 5 DATA VALUES BEGINNING WITH THAT FOR +
&TDIP,,
DATA2: WRITE
WRITE ENTER VALUE FOR DATA FIELD &IND
END: DO
WRITE INVALID ENTRY, PLEASE TRY AGAIN.
GOTO DATA2
END:
READ &INNUM
SFT &LIN EQ &LENGTH(&STR(&INNUM))
IF &LIN LT 3 THEN
ELSE IF &SUBSTR(113,&STR(&INNUM)) EQ M18 THEN *
SET &INNUM EQ &STR(- 999999)
ELSE IF &SUBSTR(113,&STR(&INNUM)) EQ N04 THEN *
GOTO DATA3
ELSE IF &SUBSTR(113,&STR(&INNUM)) EQ NEG THEN *
SET &INNUM EQ &STR(- 999999)
ELSE IF &SUBSTR(113,&STR(&INNUM)) EQ &STR(N/A) THEN *
SET &INNUM EQ &STR(- 999999)
ELSE IF &SUBSTR(113,&STR(&INNUM)) EQ REP THEN DO
SET &IND EQ &IND + 1
GOTO DATA2
END:
SET &LIN EQ &LENGTH(&STR(&INNUM))
IF &LIN GT 9 THEN DO
WRITE VALUE IS GREATER THAN 9 SIGNIFICANT FIGURES, INCLUDING
WRITE &TDOECLOC DECIMAL PLACES, PLEASE RE-ENTER.
GOTO DATA2
END:
ELSE SET &NGZERO EQ 9 - &LIN
IF &NGZERO GT 0 THEN *
SET &OUTNUM EQ &SUBSTR(11,&NGZERO,&ZEROFLD)&STR(&INNUM)
ELSE IF &NGZERO EQ 0 THEN SET &OUTNUM EQ &STR(&INNUM)
IF &TDOECLOC EQ 0 THEN *
WRITE THIS VALUE WILL BE &STR(&INNUM)&STR(,)
ELSE IF &LIN GT &TDOECLOC THEN *
WRITE THIS VALUE WILL BE &SUBSTR(11,&LIN-&TDOECLOC,&STR(&INNUM)) *
&STR(,)&SUBSTR(&LIN-&TDOECLOC+1,&LIN,&STR(&INNUM))
ELSE IF &LIN EQ &TDOECLOC THEN *
WRITE THIS VALUE WILL BE &STR(0,)&STR(&INNUM)
ELSE WRITE THIS VALUE WILL BE &STR(0,)+

```

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APPENDIX A: TSO SOURCE LISTING OF THE TOAM PROCEDURE

```

        &SQRSTR(11&TUDECLC=&LIN,&ZEROFLD)&STR(RINNM)
        SET NUMRIND EQ &STR(&OUTNM)
        SET &IND EQ &EVAL(&IND + 1)
        IF &IND LT 6 THEN GOTO DATA2
        ERROR ON
        WRITE BATCH TOAM PROCEDURE ERROR. PLEASE SAVE YOUR OUTPUT AND
        WRITE CONTACT WALT HENSEN AT Y7A809.
        WRITE LASTCC=&LASTCC MAXCC=&MAXCC SYSPC=&SYSPCND SYSSC=&DB*
        &SYSSCND
        SET &DUMMY18
        RETURN
        ENDD

DATA1: SET &CARD EQ &STR(&CARDN11&NUM2&NUM3&NUM4&NUM5)
        WRITE YOUR UPDATE OF &STR(&TNAME) IN &TDLG BEGINNING IN &TDIP
        WRITE WILL HAVE THE VALUES &NUM1 &NUM2 &NUM3 &NUM4 &NUM5
        WRITE IS THIS CORRECT? (Y OR N)
        READ &ANS
        IF &ANS NE Y AND &ANS NE &STR() AND &ANS NE YES THEN DO
        WRITE PLEASE TRY AGAIN
        GOTO DATA1
        ENDD
    ELSE INSERT &CARD
        GOTO DATA1
DATA2: WRITE
        INSERT //
        INSERT //D2DATA DD DSN=&HSEN,02,UILCDATA,ONLINE,DATA,
        INSERT //          DISP=SHR,DC=&DSORGDA
        INSERT //U2INDEX DD DSN=&ERSA,02,UILCINDX,ONLINE,DATA,
        INSERT //          DISP=SHR,DC=&DSORGIS
        INSERT //AUDIT DD DUMMY
        INSERT //PASSWORD DD DSN=&PWA,02,PASSWD,DATA,
        INSERT //          DISP=SHR,DC=&DSORGIS
        INSERT //TRIGGER DD DSN=&ERSA,02,TRIGGER,DATA,
        INSERT //          DISP=SHR,DC=&DSORGIS
        INSERT //
        TOP
        C * 9999 M/TH/MA
        SUBMIT
        END
        ENDD
        FREEALL
        GOTO START
QUIT: WRITE THANK YOU FOR USING TOAM IN THE BATCH MODE.
        ENDD

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